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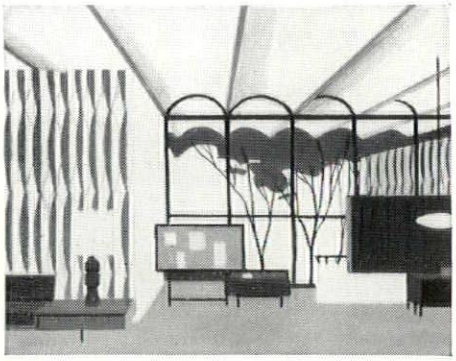
epicted here are some of the tools and skills which make
e finished product possible. The thing that we can never
ortray, which is still our best asset, is the very spirit
nd the heart of the organization.

HARLAN ELECTRIC CO.
6440 JOHN C. LODGE EXPRESSWAY
DETROIT 2, MICHIGAN
TRINITY 3-5600

New headquarters building, Purex Corp., Lakewood, Calif.

"Packaging" space the easy way... with sculptured concrete curtain walls



Graceful concrete shells, cast in place, serve as roof and ceiling for a 2½ story lobby. The 4-inch-thick shells cantilever 10 feet beyond the entry to reflect in the adjacent pool. Architects: Anthony & Langford, Whittier, Calif. Project Consultant: William Garvey, Whittier, Calif. Gen. Contractor: Oltmans Const. Co., Monterey Park, Calif. Structural Engr.: Douglas H. Beetham, Whittier, Calif.

From broad, vaulted lobby to spacious top-floor executive offices, this new headquarters building reflects Purex Corporation's regard for modern, efficient packaging of their products.

62,000 feet of floor space were enclosed with only forty panels of precast concrete fastened directly to the 3-story frame. Sculptured curtain wall panels, cast from an original leaf design by artist John Edward Svenson, point up the beautiful effects possible with modern concrete. Reusable molds will provide identical panels for future expansion of the building.

Today, architects find distinctive design and advanced construction techniques grow readily from concrete's infinite versatility.

PORTLAND CEMENT ASSOCIATION

Stoddard Building, Lansing 23, Michigan

A national organization to improve and extend the uses of concrete

EDITOR

JAMES B. HUGHES, AIA

ASSISTANT TO THE EDITOR

ANN STACY

EDITORIAL CONSULTANT

NANCY HOUSTON

CHAPTER ASSOCIATE EDITORS

Detroit . . . . . WALLACE CLELAND

Flint Area . . . . GERALD E. HARBURN

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Saginaw Valley . . EUGENE C. STARKE

Western Michigan . . JAY H. VOLKERS

MSA BOARD LIAISON

PHILIP J. MEATHE

Monthly Bulletin, Michigan Society of Architects, the official publication of the Society; all Michigan Chapters of the American Institute of Architects; Women's Architectural League of Detroit (WALD); Producers Council, Inc., Michigan Chapter; Builders & Traders Exchanges of Detroit, Grand Rapids and Flint is published monthly by the Michigan Architectural Foundation; Editorial and Advertising Offices — 28 West Adams, Detroit 26, Michigan, Phone: 965-4100.

Monthly Bulletin

MICHIGAN SOCIETY OF ARCHITECTS

THE MONTHLY BULLETIN IS PUBLISHED FOR THE MICHIGAN SOCIETY OF ARCHITECTS TO ADVANCE THE QUALITY OF ARCHITECTURE AND ARCHITECTS IN THE STATE OF MICHIGAN

VOLUME 36 No. 7 AUGUST, 1962

THE PRESIDENT SPEAKS 4

YOUR EXECUTIVE DIRECTOR 5

CHAPTER NEWS 7-8

SUSTAINING MEMBERSHIP 10

PRODUCERS COUNCIL 11

GOLDEN DOME FOR NOTRE DAME 11

REMOVABLE MULLIONS CUT WIDER DOOR COSTS . 12

ADVERTISERS INDEX

BLUMCRAFT OF PITTSBURGH . . . . . Inside Front Cover

DETROIT EDISON COMPANY . . . . . Inside Back Cover

HARLAN ELECTRIC COMPANY 1

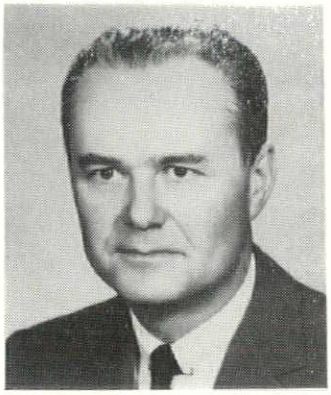
R. C. MAHON COMPANY 6

MICHIGAN CONSOLIDATED GAS COMPANY 9

PORTLAND CEMENT COMPANY 2

Monthly Bulletin, Michigan Society of Architects, is published monthly at 28 West Adams, Detroit 26, Michigan. Entered as second-class matter January 15, 1946 at the Post Office at Detroit, Michigan under Act of March 3, 1879. Subscription price, $4.00 per year (members $2.00). 50 cents per copy.

Your President Speaks



C. H. MACMAHON
President, MSA

MONTHLY BULLETIN, Michigan Society of Architects is now for the first time since its inception—truly the magazine of the Society and its members.

For thirty-five years, the BULLETIN in various forms —has been published for the Society on a contract basis—and while the relationship in years past was satisfactory, the Society did not receive any of the monetary revenue derived from the advertising which supported the official publication of The Michigan Society of Architects.

In 1927 the MSA Board authorized Talmage C. Hughes to issue a printed Bulletin and to realize whatever he could from the advertising as compensation for his services as publisher and editor of the BULLETIN and as executive secretary of the Society. The BULLETIN was published weekly from 1927 until 1950 when it was changed to MONTHLY BULLETIN, MICHIGAN SOCIETY OF ARCHITECTS. In 1951, MONTHLY BULLETIN, INC. was established as a wholly-owned subsidiary of the Society which was made the custodian of the name of the publication.

Talmage Hughes' Contract Expires

Various contracts existed between the Society and the publisher-editor over the years — the most recent being one for ten years which expired June 11, 1962. Under the terms of this contract, the publisher paid a franchise fee annually for the use of the name. He was reimbursed approximately the same amount for subscriptions at the rate of $2.00 per year for all corporate members of the Society and all associate members of the chapters of AIA in Michigan.

During this period, Talmage C. Hughes served as publisher and editor and as executive secretary of the Society, his compensation being the profits derived from the publication.

Approximately three years ago, the MSA Board realized that Talmage C. Hughes was over 70 years of age and that it was unreasonable to expect that he would be able to continue to serve the Society for very many years in the future. Cognizant of the continued growth of the Society and its expanded activities, the board undertook a reorganization program which included the establishing of the position of executive director on a full-time salaried basis.

This re-organization was accomplished and James B. Hughes, AIA (no relation to Talmage C. Hughes) was retained March 1, 1962 as executive director of the Society and the Detroit Chapter, with the understanding that he would gradually assume the responsibility of publishing and editing the BULLETIN. Mr. Talmage C. Hughes agreed to continue to serve the Society and the chapter as consultant to the executive director.

Concurrently with the reorganization program, negotiations were started to purchase the physical assets of Talmage C. Hughes' publishing business at the expiration of his contract.

The board of directors felt that complete ownership of the official publication of the Society was necessary to: control the editorial and advertising context; place more emphasis on architects and architecture; improve the quality of the magazine, and to accrue any financial benefits therefrom; promote MSA programs in the interests of the architects in Michigan; and to maintain educational programs for students and practitioners.

18 Months of Negotiations

For a period of approximately 18 months, negotiations were carried on in an attempt to reach a mutually agreeable sum to be paid to Talmage C. Hughes for the purchase of his physical assets, for continuity of publication and as a "pension fund" in recognition of his past services to the Society.

Talmage C. Hughes' original asking price was $170,000. After an audit of Talmage C. Hughes' books was permitted, the Society offered him $25,000 with the stipulation that he would be retained as a consultant at the rate of $25 per hour. This offer was extended on June 12, 1962.

MSA Offer "Unacceptable"

On June 19th, Talmage C. Hughes' attorney advised that the offer was unacceptable and that Talmage C. Hughes did not care to continue negotiations. Talmage C. Hughes then issued a new magazine called MICHIGAN NATIONAL ARCHITECT, using the same format, subscription lists and advertisers as MONTHLY BULLETIN and for which he claimed the official sanctions given MONTHLY BULLETIN.

It was with extreme regret that the Board of MSA accepted Talmage C. Hughes' refusal to negotiate further. Throughout these negotiations, to which many persons had devoted untold hours and energy, it had been the sincere hope that this situation could be resolved amicably.

Publication of MONTHLY BULLETIN, MICHIGAN SOCIETY OF ARCHITECTS as the only officially sanctioned publication of the Michigan Society of Architects and the various chapters of the American Institute of Architects in Michigan, is continuing with James B. Hughes, AIA, as editor. As in the past, you will receive MONTHLY BULLETIN as part of your dues.

We enlist your future support of the BULLETIN and welcome any suggestions which you may care to make.

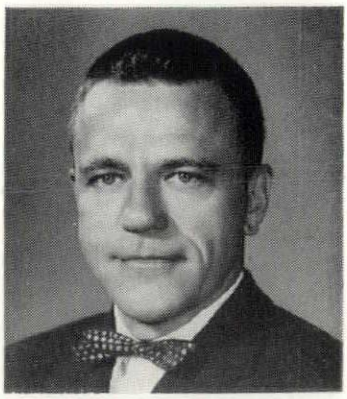
The publication office is located at 28 West Adams, Detroit 26. The telephone number is 965-4100. This office is also the headquarters of The Michigan Society of Architects and the Detroit Chapter, AIA.

Irrevocable Decision

That MONTHLY BULLETIN and the activities of the Society must continue without the continued services of Talmage C. Hughes is regrettable. However, the decisions of Talmage C. Hughes are irrevocable.

It is our intent that the Society and its publication serve the Architects of Michigan in the best possible way. Toward that goal, we all work together. We are confident that this endeavor, under our own ownership and management, will enable us to accomplish our goals in a successful and profitable manner.

Your Executive Director



JAMES B. HUGHES, AIA

"The MONTHLY BULLETIN is published for the Michigan Society of Architects to advance the quality of architecture and architects in the State of Michigan." With the counsel and guidance of various committees and the consultation of advisory editors, the magazine staff will strive to make the BULLETIN an effective instrument of communication, education and stimulation in order to achieve the objective stated above and on the masthead.

The BULLETIN was not published in July due to the breakdown in negotiations with Talmage C. Hughes. The August and September Bulletins, because of time limitations, are interim, abbreviated issues. A complete magazine will be published in October.

For the October issue, we expect to adopt a completely new format. Committees, consultants and staff are now developing that format.

We will attempt to present useful and interesting material in an attractive and appealing manner. Planning, coupled with depth reporting of many phases in the realm of architects' interest, will point up several different themes in the months to come. The October BULLETIN will devote a substantial section to school buildings from all over the state.

In addition to featured materials, a number of departments will appear regularly. Among them: Work in the design stage; chapter news; reports of other architectural and affiliated organizations; product news; items on members' outstanding activities and achievements.

Publication of much of this material will depend on our members' interest and help. Reporting of chapter activities will be more important than ever. New emphasis will be placed on individual contributions of items of interest.

We can not guarantee that all material received will be published. However, we want to publish news that is news and to feature material that is worthy of the attention and interest of Michigan Architects, of our other subscribers, and our advertisers.

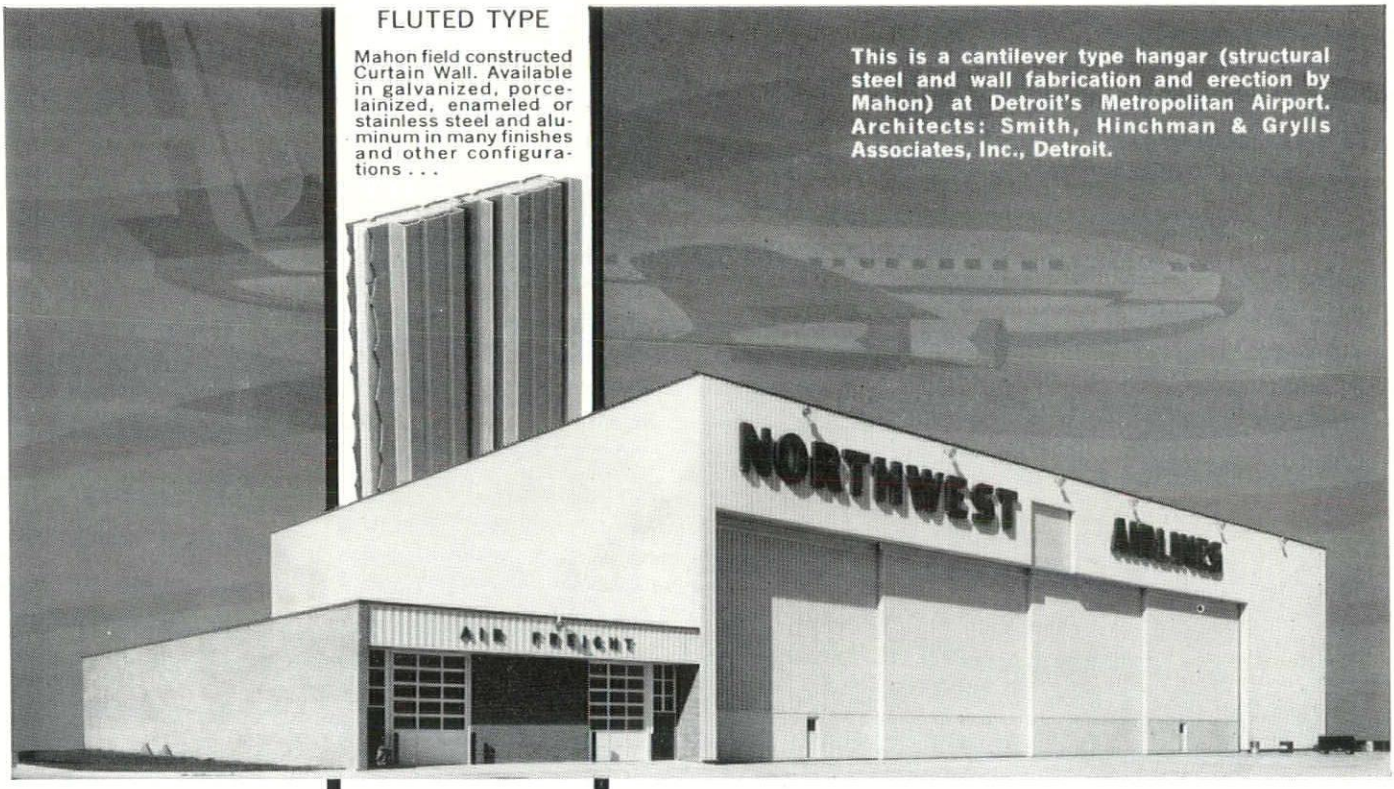
56′ high
. . . no horizontal joints!

Aesthetically pleasing as well as structurally sound, the Mahon Insulated Curtain Walls for this airport hangar were formed in continuous, 56′ lengths. This eliminated horizontal laps, simplified construction and effected labor and material economies. The aluminum vinyl-clad panels (unlimited color selection) required no subsequent finishing and will give maintenance-free good looks for years to come.

In addition to Insulated Metal Wall, Mahon Steel Roof Deck was also used.

FLUTED TYPE

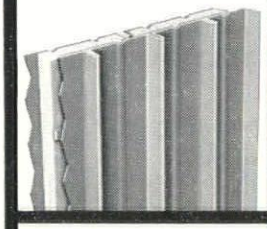
Mahon field constructed Curtain Wall. Available in galvanized, porcelainized, enameled or stainless steel and aluminum in many finishes and other configurations . . .



This is a cantilever type hangar (structural steel and wall fabrication and erection by Mahon) at Detroit's Metropolitan Airport. Architects: Smith, Hinchman & Grylls Associates, Inc., Detroit.

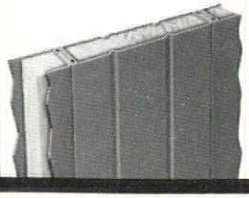
RIBBED

field constructed



FLUSH

panels



Write for Catalogs or see Sweets' Files for:

Other Mahon building products • Metalclad Fire Walls • Rolling Steel Doors • Long-Span M-Deck • Steel Roof Deck • Acoustical Metal Walls, Partitions and Roof Deck. **Mahon Construction Services** • Structural Steel-fabrication and erection • Steel Fabrication—Weldments • Geodesic Domes—fabrication and erection.

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chapter news

Announce Deadline for Fellowship Nominations

The Chairman of the Jury of Fellows has announced that nominations for advancement of corporate members to Fellowship in the AIA must be filed on or before October 1, 1962 if they are to be considered by the Jury at its 1963 meeting.

All supporting data which the Jury will request and photographic exhibits must be filed on or before November 15, 1962.

In cases where a nomination is made for achievement in Literature, as the result of having written magazine articles or books, such material must be filed not later than November 15, 1962.

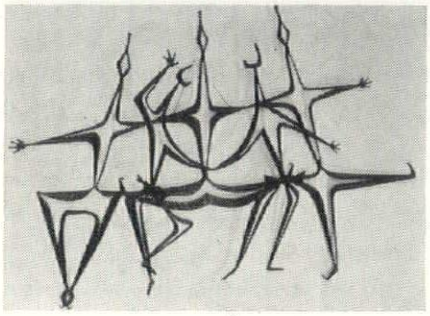
Paul B. Brown, Detroit Chapter president has appointed Linn Smith, FAIA, chairman, Minoru Yamasaki, FAIA, and Eberle M. Smith, FAIA, as the chapter's committee on Fellowships. Suggestions of persons to be nominated for advancement to Fellowship should be directed to one of the members of this committe.

Western Michigan Visits Community College Campus

A tour of the facilities of Battle Creek Community College was included on the agenda of a recent Western Michigan Chapter meeting. Acting as guide was Bud Vanderploeg of Lewis Sarvis and Associates, Battle Creek, which provided the building design and campus layout.

Speaker for the meeting was Robert Hastings, FAIA, President of Smith, Hinchman and Grylls, Detroit, and a member of an AIA study group to investigate the problems involved in the expanded services offered by many architects.

On June 25 the chapter held a business session at the Holiday Inn in Jackson. The meeting, conducted by President Robert C. Smith, concerned primarily the formation of new chapters in the state.



Metal sculpture of Pamela Walsh

Sculpture and Architecture Covered at Saginaw Valley

A colleague of sculptor Marshal Fredericks and wife of A.I.A. member David Walsh, Pamela Stump Walsh was the featured speaker at a stimulating Saginaw Valley chapter program.

Her viewpoints on the relationship of sculpture to architecture initiated spontaneous discussions on a dozen or so pieces of metal sculpture on display. Questions from the membership brought out detailed information on Mrs. Walsh's techniques.

An art graduate of the University of Michigan, she works in all mediums but considers welding together odds and ends of metal as her favorite. Several of her architectural sculptures and screens are in the possession of Saginaw architects. Her works have been exhibited in St. Louis, New York City, Miami and Detroit.

Ervin Kamp Associates Moves to Larger Quarters

Opening of new and larger offices at 18400 Grand River, Detroit 23, Mich., has been announced by Ervin E. Kamp Associates. The telephone number is 838-9540.

Detroit Chapter Sets New Election Procedure

In accordance with recommendations of the Chapter Affairs Committee, the Detroit Chapter has adopted a new procedure for the election of chapter officers and directors and directors of the Michigan Society of Architects and Michigan Architectural Foundation.

The two nominating committees will be appointed by the president and the board no later than the month of May prior to the October annual meeting.

Nominating committees will select candidates and advise the executive director by July 1st so that biographical material may be compiled on each of the candidates and published in the September issue of Monthly Bulletin.

Elections will be held at the annual chapter meeting in October as in the past. However, officers and directors will not take office until January 1st of the following year, instead of at the annual meeting. This change was made to comply with a request from the Institute that all chapters and state organizations install new officers at the beginning of the calendar year.

The nominating committee appointed by President Paul B. Brown consists of Linn Smith, chairman, Gerald G. Diehl and John W. Jickling. The board's committee is chaired by Leo Bauer and includes Philip J. Meathe and James B. Morison.

The names of all candidates nominated by these committees will be published with data on education, professional experience, position and participation in chapter affairs in the September Monthly Bulletin.

chapter news

Position Available

For retired architectural contact man to call on architects part-time or a few days a week to introduce high quality line of aluminum railings. No selling, estimating or order taking. Compensation for each call, no commission. Can supplement social security income. Openings in most major cities. Blumcraft of Pittsburgh, 460 Melwood St., Pittsburgh 13, Pennsylvania.

Charles N. Agree, Inc. Elects Three Officers

A. Arnold Agree has been elected executive vice president of the firm Charles N. Agree, Inc. He has been with the firm since 1947.

Alfred S. Farber and James F. Chamberlin have been elected vice presidents. Farber has been with the company since 1948. Chamberlin joined the firm in 1950.

Foundry Facilities Visited By Flint Area Members

General Foundry and Manufacturing Co., Flint, was host for a recent meeting of the Flint Area chapter. Discussion of developments in foundry and casting operations highlighted the program.

In June, members heard a talk by Ralph Evans, director, Color Technology Div., Eastman Kodak Co. Chapter activities in July stressed a golf outing at Warwick Hills Golf and Country Club. Co-sponsor of the event was the Detroit Architectural Golf League.

Detroit Chapter Sets '62-'63 Meetings

Philip N. Youtz, FAIA, Chairman of the program committee has announced the following chapter meetings for 1962-63:

Saturday, September 22, 1962—Allied arts committee — Detroit Institute of Art.

Wednesday, October 17, 1962—Annual meeting, Northwood Inn.

Thursday, November 15, 1962—With Illuminating Engineering Society at Grosse Pointe War Memorial Center.

Thursday, December 13, 1962—Dinner-dance with Producers Council.

Tuesday, January 15, 1963—Engineering Society of Detroit.

Wednesday, February 13, 1963—Engineering Society of Detroit.

March, 1963—MSA Convention—No chapter meeting.

Tuesday, April 16, 1963—Engineering Society of Detroit.

May, 1963 — Annual meeting with student chapters at University of Detroit.

Further details including speakers will be announced at a later date.

HELP!

Submit School Material for October Bulletin

As noted in the executive director's message on page 5, the October issue of Monthly Bulletin will feature award-winning school buildings from all over the state. The "work in progress" section will also be devoted to schools.

Your contributions are needed for these features. If your firm has received an award in 1961 or 1962 for an outstanding school plan, write to Monthly Bulletin, including all pertinent facts, contractors' names and addresses, drawings and photographs.

If you have school plans for "work in progress", send us sketches, drawings and pertinent information.

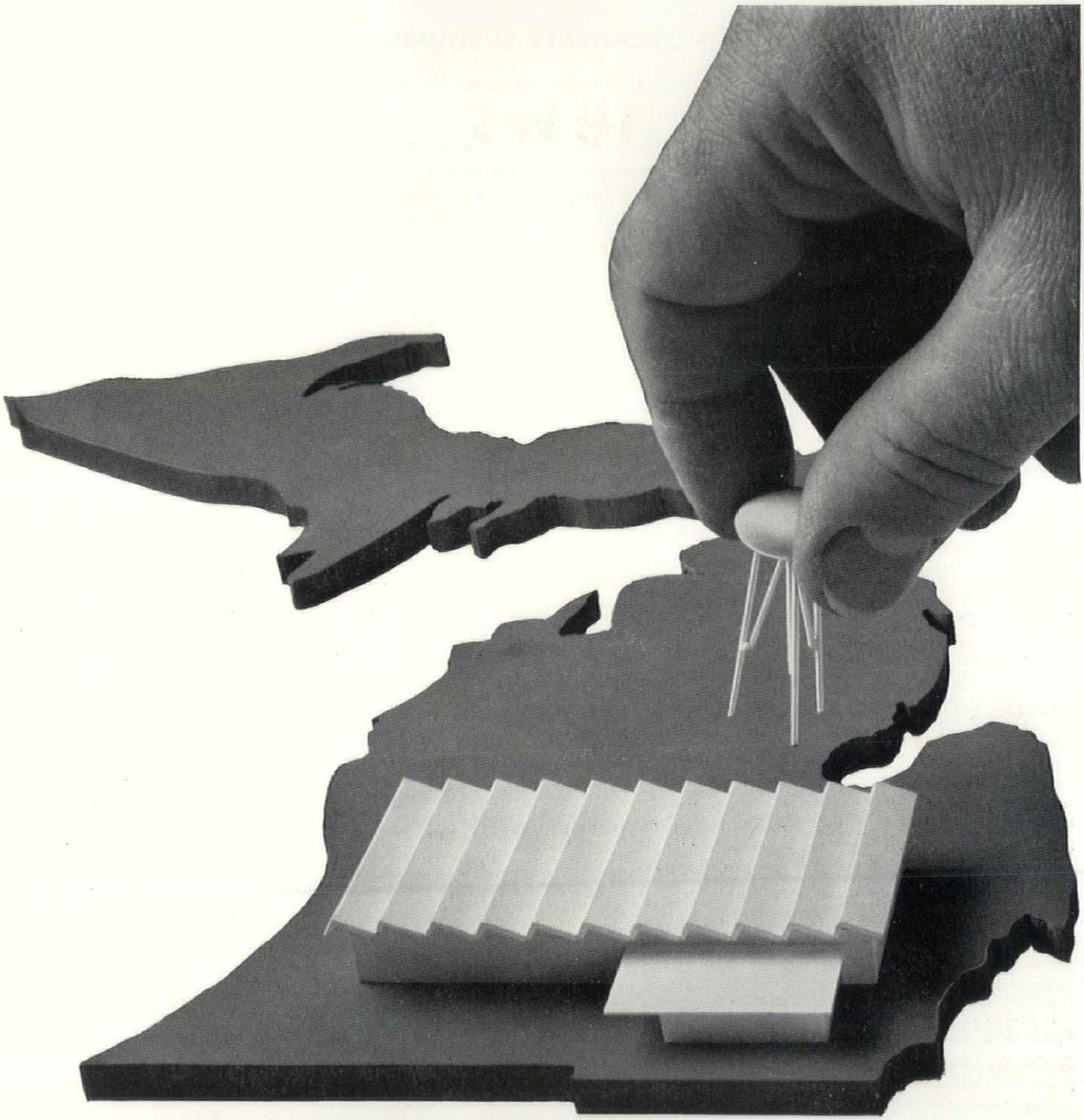
All material should be addressed to: Monthly Bulletin, Michigan Society of Architects, 28 W. Adams, Detroit 26, Mich.

Do it soon—the October issue is already in the works.

New Associates, Officers Named by Detroit Firm

Eberle M. Smith Associates, Inc., has announced the admission of two new associates and a change of officers. New associates are Lyn E. Graziani, who has had five years of design with the firm, and Gordon R. Lotts, who is chief mechanical engineer. New officers are Lyndon Welch, first vice president, and Lloyd H. Wright, treasurer.

Enjoyment is in evidence at Flint Area Chapter's meeting sponsored by General Foundry and Manufacturing Co. Guided tours preceded the dinner program.



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Be modern ...for less... with GAS

MICHIGAN CONSOLIDATED GAS COMPANY

MICHIGAN SOCIETY OF ARCHITECTS SUSTAINING MEMBERSHIP REPORT

The following report of the Committee on Finance concerns the status of the Sustaining Membership Program.

As of July 17, 1962, 132 firms or 41% of the 322 listed in the roster published in the May 1, 1962 issue of the M.S.A. Bulletin have paid dues amounting to $6,180, which is $695 more than reported last month. On July 7, 1961, 139 firms or 42% of the 322 listed in the roster had paid dues amounting to $6,475. During the month of May, the Society's Finance Committee started a fund raising campaign to raise the number of firms paying Sustaining Membership dues. Each firm listed in the May, 1962 roster was contacted either by telephone or by letter. As a result $670 has been raised.

FLINT AREA CHAPTER — 12 Firms, 6 Members — 50% — $175

Ralph T. Dittmer, AIA
Gibbs, Tomlinson & Harburn
Mackenzie, Knuth & Klein
Walter Kloske, AIA
J. Lauran Kretchmar, AIA
Nurmi, Nelson & Associates

SAGINAW VALLEY CHAPTER — 18 Firms, 8 Members — 44% — $675

Joseph C. Goodeyne, AIA
Morris, Wesolek & Macmillan, Architects & Engineers
Charles B. Blacklock & Robert E. Schwartz
Alden B. Dow, FAIA
Jackson B. Hallett, AIA
Robert B. Frantz, AIA
James A. Spence, AIA
Frederick E. Wigen & Associates

MID-MICHIGAN CHAPTER — 16 Firms, 9 Members — 63% — $445

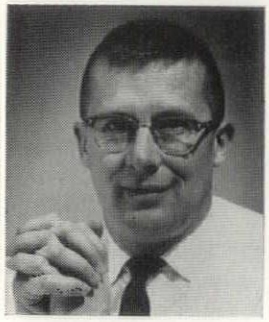
Marvin DeWinter
Kenneth C. Black & Associates
Bruce M. Hartwick, Associates
Warren S. Holmes Co.
Karl Krauss, Jr., AIA
Manson, Jackson and Kane, Architects and Engineers
O. J. Munson & Associates
J. Wesley Olds - Morris Stein, Architects and Engineers
St. Clair Pardee, AIA

WESTERN MICHIGAN CHAPTER — 63 Firms, 26 Members — 41% — $295

Frank E. Dean, AIA
Guido A. Binda, AIA
Sarvis, Belson & Vanderploeg
Arne Arntzen, AIA
Roger Allen & Associates
James K. Haveman, AIA
OBryon & Knapp Associates
Post & McMillen Associates
Robinson, Campau & Crowe
Kenneth C. Welch, AIA
Wold & Bowers, Architects
Kammeraad & Stroop
Forrest A. Gildersleeve
Svinicki, Hansen & Associates
Carl Kressbach & John H. Dabbert, Assoc. Archts.
Gerald E. Diekema, AIA
Louis C. Kingscott & Associates, Inc.
Stapert, Pratt, Bulthius, Sprau & Crothers Inc.
Stone, Smith & Parent
Trend Associates, Inc.
Bernard J. De Vries, AIA
Jack L. Boller & Associates
Edward R. Duffield, AIA
Gordon Cornwell, AIA
Harford Field & Associates
Strong & Drury, Architects

DETROIT CHAPTER — 213 Firms, 74 Members — 38% — $3,960

Colvin, Robinson, Wright & Associates
Daniels & Zermack Associates
Charles W. Lane & Associates
James H. Livingston, AIA
Douglas Loree, AIA
Walter B. Sanders, AIA
Birkerts & Straub
Edward E. Bissell, AIA
Joseph Dworski, AIA
Jickling and Lyman
O'Dell, Hewlett & Luckenbach Associates
S. Glen Paulsen, AIA
Linn Smith & Associates
Stickel, Moody & Associates
Minoru Yamasaki & Associates
Begrow & Brown, Architects
Swanson Associates, Inc.
Tarapata & MacMahon Associates
Bennett & Straight, Inc.
Coombe & Lyman
Stanley J. Davis
Stewart Kissinger & Associates
Nordstrom-Samson, Associates
Michael Shanayda, AIA
Charles N. Agree, Inc.
Victor J. Basso, AIA
Leo M. Bauer & Associates
Kenneth C. Black & Associates
Boddy, Benjamin & Woodhouse, Inc.
H. Sanborn Brown, AIA
Robert F. Calder, AIA
Ralph Calder, AIA
Earl L. Confer, AIA
Crane, Kiehler & Kellogg
Arthur Des Rosiers, AIA
Donaldson & Meier
Cornelius Gabler, AIA
Germany, Klees & Bliven
Giffels & Rossetti, Inc., Architects & Engineers
Hammond, Quinlan & Fowler, Inc.
Harley, Ellington, Cowin and Stirton, Inc.
Nathan Johnson, Architect
Wallace K. Kagawa
Albert Kahn Associates
John L. Kallmes, AIA
Norman Krecke, AIA
Norman J. Levey
Levine, Alpern & Associates
Lorenz & Paski
McGrath & Dohmen
Maguolo & Quick
Seymour H. Mandell, AIA
Marr & Marr
George D. Mason & Company
Meathe, Kessler & Associates, Inc.
Merritt, Cole & McCallum
James B. Morison, AIA
Clarence Noetzel, AIA
Palmer & Schoettley Associates
Louis C. Redstone & Avner Nagger Associates
Theodore Rogvoy, AIA
Smith, Hinchman & Grylls
Ray F. Ward, AIA
Williams Bros.
Otis Winn, Architect & Company
Clifford N. Wright & Associates
Charles D. Hannon, AIA
Green & Savin, Architects
Joseph Cyr, Architect & Associates
Ralls, Hamill & Becker
Charles M. Valentine, AIA
Dolgner, Rollason & Rokicki, Architects & Engineers
Dirk Van Reyendam, AIA
R. S. Gerganoff, AIA



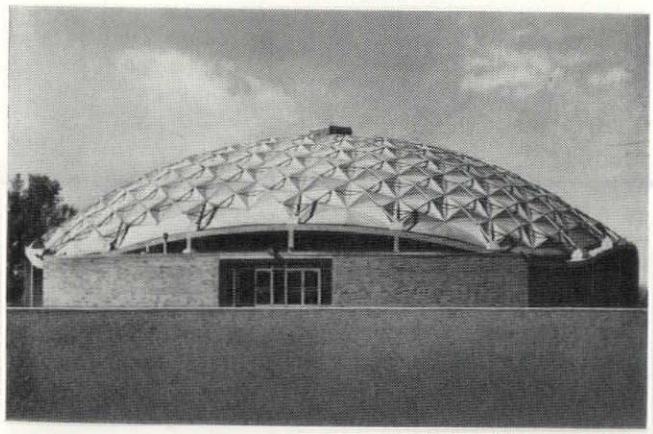
Orr Op't Holt covers the Detroit area for Timber Structures, Inc., 960 N. Hunter Blvd., Birmingham. He handles wood laminated arches, beams, stresses and decking.

Robertson thin-line versatile wall offers a unique combination of features that have been dictated by the knowledge and experience of H. H. Robertson Co. for more than 50 years in the construction industry. These features encompass both the aesthetic and practical factors that determine the success of a building's wall system.

The split-mullion feature allows for thermal changes and construction tolerances within each post eliminating unsightly expansion joints.

Robertson took the putty out of glazing 50 years ago and set the stage for modern curtain wall.

Golden Dome for Notre Dame



Adding a splash of color to the campus home of the Fighting Irish, this gold anodized geodesic dome caps the Stepan Center. The 160' diameter dome is formed of individual tetrahedron shaped aluminum sections lock-bolted together.

Fabricated by Mahon-West, Torance, Calif., western operation of The R. C. Mahon Co. of Detroit, the inexpensive and easily erected dome allows wide latitude of architectural freedom in designing the base enclosure.

Termination methods at the base of the dome are flexible enough to meet any reasonable wall design . . . and even some unreasonable ones.

Producers Council

Thin-line V-wall is weatherproofed on the outer face. In tests it withstood rainfall exposure of 8 inches per hour (30 gal./min.).

In addition to its function of covering exposed fasteners, the wide selection of materials, shapes, colors and sizes available for the snap-on trim makes it a source of design and decorative freedom.

Minimum Maintenance

Because of its design and of the high quality and permanent nature of the materials used in thin-line V-wall construction it will not be appreciably affected by time and should call for a minimum of maintenance.

The sudden popularity of curtain walls has led many to believe that all such walls must assume a similar appearance. This is not so with Robertson thin-line V-wall. There are three basic elements that permit an infinite variety of architectural treatments that can be as individual as the designer's own signature.

Individuality in a curtain wall design is realized first by the proportions and detailing of the mullions and sills which form the grid system. With thin-line versatile wall, the designer can choose from a large selection of sizes, profiles, materials and colors.

Emphasis With Snap-On Caps

The snap-on caps can vary greatly in depth to give emphasis where desired. Choice of aluminum, stainless in their characteristic finishes and porcelain enamel on aluminum with many colors available give opportunity for originality.

Here, again, the designer can choose from a large array of colors and materials. The rabbet dimension (1⅞") is uniform and adequate to take in-fill panels of many materials without special fabrication or flanges. Robertson spandrel panels, insulated or uninsulated, can be furnished in a wide variety of colors in porcelain on aluminum, steel or aluminized steel.

A complete line of sash in fixed reversible, top hinged, side hinged and projected styles are made in fourteen types to handle every window requirement. Six hundred standard sizes are made for use with Robertson thin-line versatile wall.

Removable Mullions Cut Wider Door Costs in Half

A new use has been found for a product that has been relatively unknown. The removable mullion has opened savings and convenience potentials in construction buildings with wide clear-span openings.

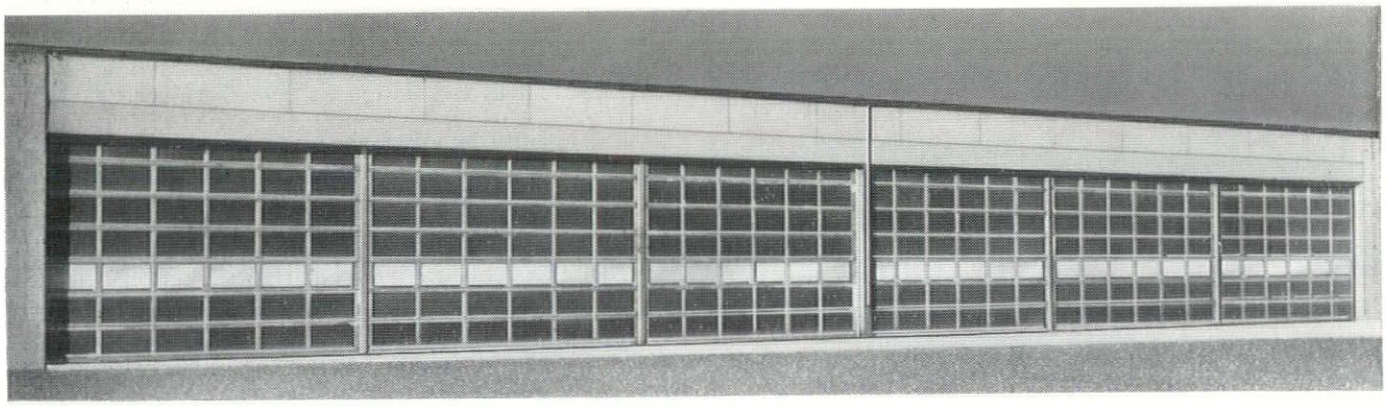
Industrial and commercial buildings or special purpose structures, such as warehouses or airport hangars, that need wide, unobstructed openings, are conventionally designed with substantially-priced sliding doors. The use of removable mullions now makes it possible to install regular upward-acting doors in multiple to provide closure for almost any width of span.

Crawford Door Co., Detroit, veteran manufacturer of sectional wood and metal doors, now manufactures and distributes the removable mullions. Made of extruded aluminum alloy, the mullions provide maximum strength at minimum weight, approximately 2½ pounds per foot.

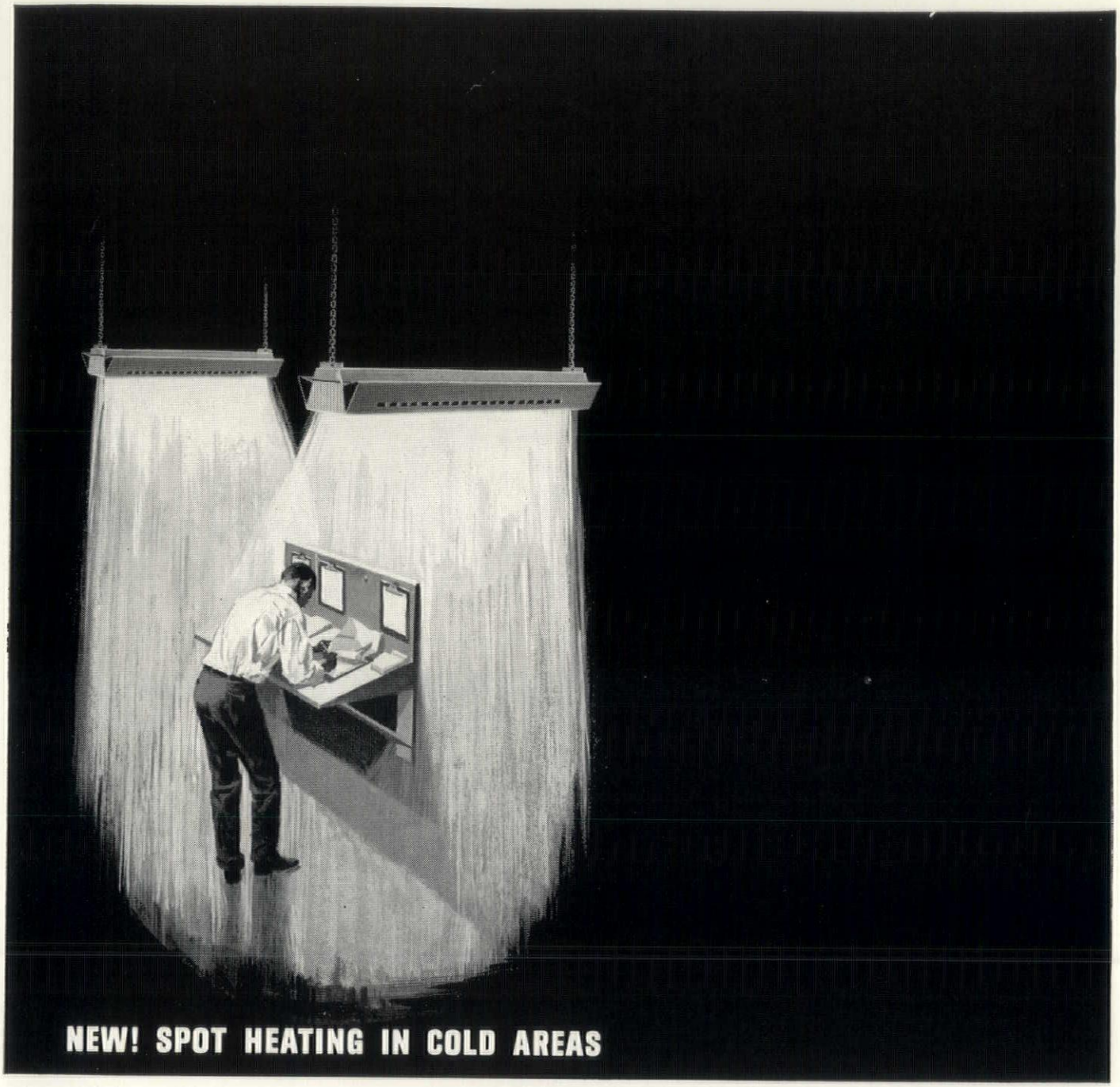
A stationary floor plate secures the bottom, while the top of the mullion is locked securely in position with a spring-loaded latch. A chain is attached to the latch and extends down the mullion to shoulder height.

A pull on the chain unlatches the mullion from the bracket and the top end is tilted inward. As the mullion top disengages, a mechanical safety latch swings down under the now-open end of the track to prevent doors from descending while the mullion is out of position.

At the DuPont-Lapeer Airport in Lapeer, Mich., Manager Kent DuPont reports a 50 per cent saving in door costs by using Crawford doors with the patented removable mullions in place of the sliding door installation originally contemplated.



In the DuPont-Lapeer Airport Hangar at Lapeer, Mich., a permanent center support divides the 120-ft. total opening into two 60′ sections, closed by six Crawford hardboard panel industrial doors, each 19′6″ x 13′6″. Four central doors, two in each section, are power-operator-equipped. By opening these central doors and lifting out the removable mullion, a 40′ clear span is provided. With all doors open, mullions removed, two 60′ clear span openings are available.



CAN GIVE YOU EXTRA LIGHT AS A BONUS!

How do you heat one small area of a large drafty building—the shipping desk in a warehouse, for example? How can you heat an entire building that's lightly insulated? What's a good way to warm entranceways and keep walks clear of snow and ice at the same time?

Solution: Infrared Quartz Lamps. The Fostoria Corporation, a leading producer of radiant heating equipment, *proves* it in its Detroit branch. Used for research, assembly and warehousing, the cinder-block building purposely duplicates heating problems found in most plants. Insulation is limited to one inch in the ceiling. Mr. Howard G. Russell, Fostoria Area Manager, says, "Heat from quartz lamps is radiant, so it warms only the objects it strikes—not the air. Little heat is lost when the roll-up doors are open for loading. And when the lamps are on, they help *light* the building, too. Outdoors, the quartz lamps have kept the walks dry and safe all winter long."

The quartz radiant system is just one of the many ways you can solve heating problems electrically. For complete information, call your Edison office. In metropolitan Detroit, call WO 2-2100, ext. 2861.

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